DRAFT

Redwood Creek Watershed Synthesis Report

The mission of the North Coast Watershed Assessment Program is to conserve and improve California's north coast anadromous salmonid populations by conducting, in cooperation with public and private landowners, systematic multi-scale assessments of watershed conditions to determine factors affecting salmonid production and recommend measures for watershed improvements.

Public Review Draft

Key GIS and other Data Sets used by the NCWAP Redwood Team

Data Used	Data Type	Source
Air Photos	photos	1942, 1947, 1948, 1954, 1958, 1965, 1964, 1977, 1984, 1988, 1996, 2000
1:24,000 Topos	GIS Theme	Sure Raster Maps (TIFFS)
Amphibians	GIS Theme	USFS Redwood Sciences Lab, CDFG, Natural Diversity Database
Cal-Water Planning Watersheds	GIS Theme	CDF
Channel Type	GIS Theme	Made from 10 m DEM
DEMs (10 m resolution)	GIS Theme	USGS, CDF/CDMG
Electroshocking	report	Field Surveys
EPA Land Use	GIS Theme	Derived by EPA from LANDSAT
Fire History	GIS Theme	CDF
Fish Distribution	GIS Theme	CDF
Fish Distribution	GIS Theme	DFG
Geology	GIS Theme	CDMG
Geology2	GIS Theme	USGS
Geomorphology	GIS Theme	CDMG
Ground Water	GIS Theme	DWR
Habitat Typing	GIS Theme	CDFG, USFS, Private
Hillshade	GIS Theme	Made from 10 m DEM
Hydrography (1:24,000)	GIS Theme	USGS 1:24000. CDF is working on improved layers now.
LANDSAT Change Scene	GIS Theme	CDF FRAP
Landslides/Inner Gorges	GIS Theme	CDMG
LWD Removal	GIS Theme	old reports
Monitoring Locations	GIS Theme	Various
NPS Documents	report	RNP
Orthophoto Quads	GIS Theme	Orthos for all Fed lands from 1994. Some 1996 from USGS for other NCWAP areas.
Ownership	GIS Theme	Teale, HSU Klamath Project
Parcel ownership	GIS Theme	County Assessor
Rainfall	GIS Theme	Modeled Output
Restoration Locations	GIS Theme	CDFG and other sources
Road Density	GIS Theme	RNP
Roads (1:24,000)	GIS Theme	USGS, CDF, USFS, counties
Roads (RNP)	GIS Theme	RNP
Slope	GIS Theme	CDF, CDMG (derivative of 10 M DEM)
Smolt Outmigrants	report	RNP
Spawning Surveys	report	CDFG, RNP, Private
Stream Crossings	GIS Theme	Ross Taylor or can be generated from good roads and stream covers

Stream Gradient	GIS Theme	Can be calculated with a computer program that is shared by CDF, FRAP
Stream Names	GIS Theme	RNP
THPs - Historic	GIS Theme	CDF
THPs - recent	GIS Theme	CDF
TMDL basin schedule	GIS Theme	NCRWQCB/EPA
Towns, Counties, and State Boundaries	GIS Theme	Teale
USGS 7 1/2 minute Quad Index	GIS Theme	USGS
USGS Hydrologic Units (HUCs)	GIS Theme	USGS
Vegetation	GIS Theme	Derived from Landsat by USFS Sacto Spatial Lab & HSU
Water Quality Samples	report	Field Surveys
Water Rights	GIS Theme	SWRCB Water Rights Division
Water Temperature	GIS Theme	Forest Science Project
Water Temperature	GIS Theme	Redwood National park